

Fig. 1

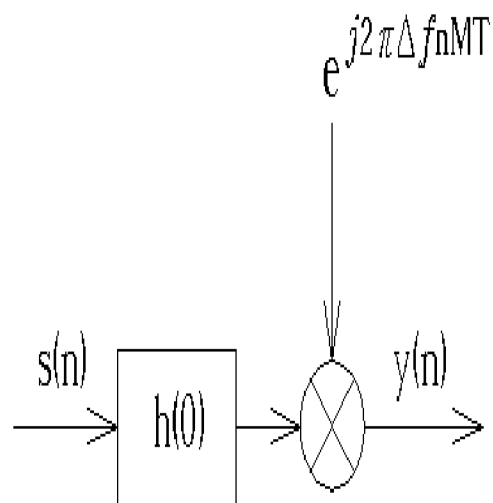


Fig. 2

$$\text{Equ.1} \quad x(n) = \sum_k s(k) c(n - MK)$$

$$\text{Equ.2} \quad y(n) = s(n) h(0) e^{j2\pi\Delta f n MT}$$

$$\text{Equ.3} \quad P_n = y(n+1) y^*(n)$$

$$= \pm |s(n)|^2 |h(0)|^2 e^{j2\pi\Delta f n MT}$$

$$\text{Equ.4} \quad \Delta f = \arg \left\{ \text{sign} \left\{ \text{Re} \left\{ P_n \right\} \right\} \cdot P_n \right\} / (2\pi MT)$$

$$\text{Equ.5} \quad \Delta f = \arg \left\{ \sum_n \text{sign} \left\{ \text{Re} \left\{ P_n \right\} \right\} \cdot P_n \right\} / (2\pi MT)$$

Fig. 3

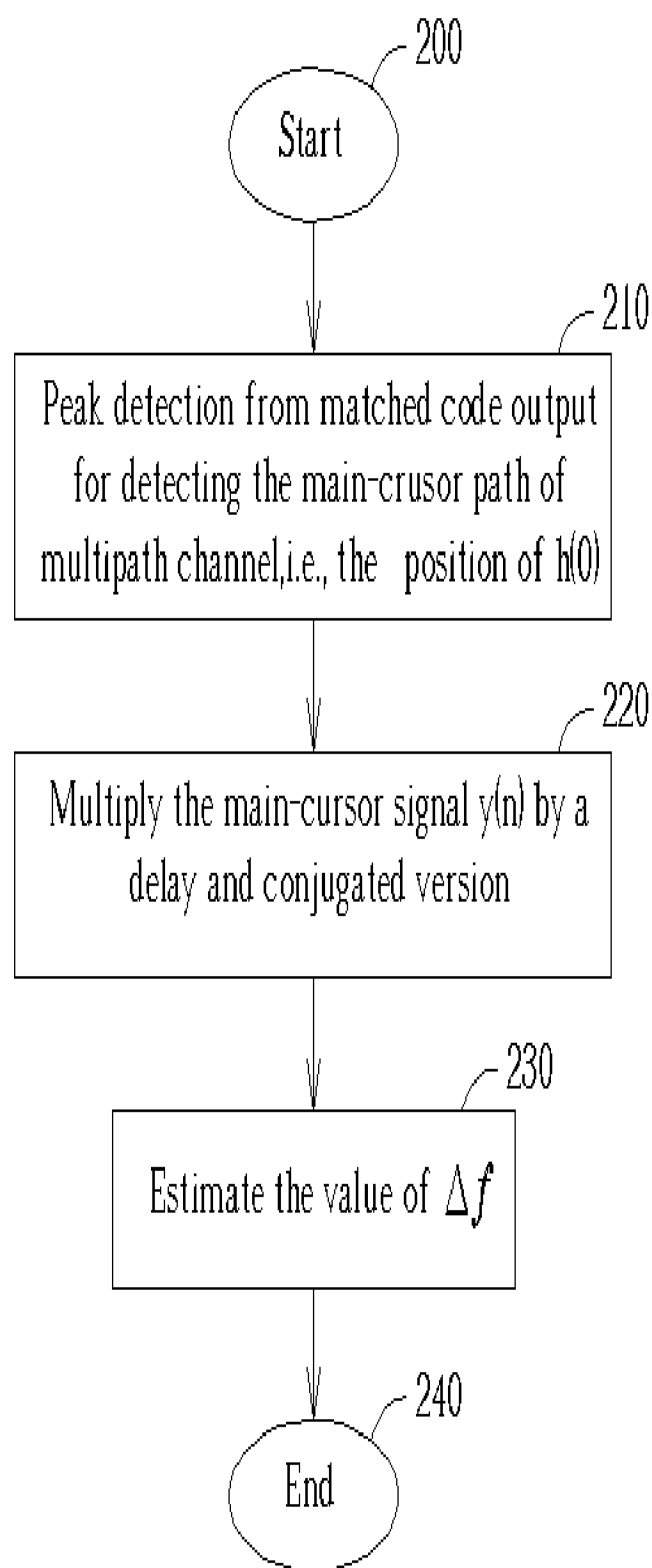


Fig. 4

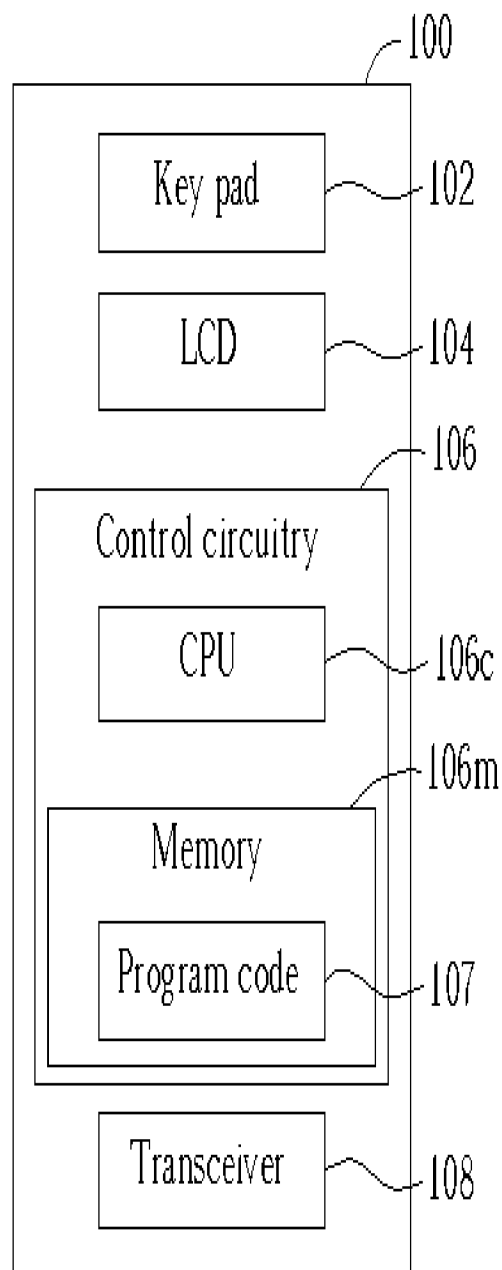


Fig. 5